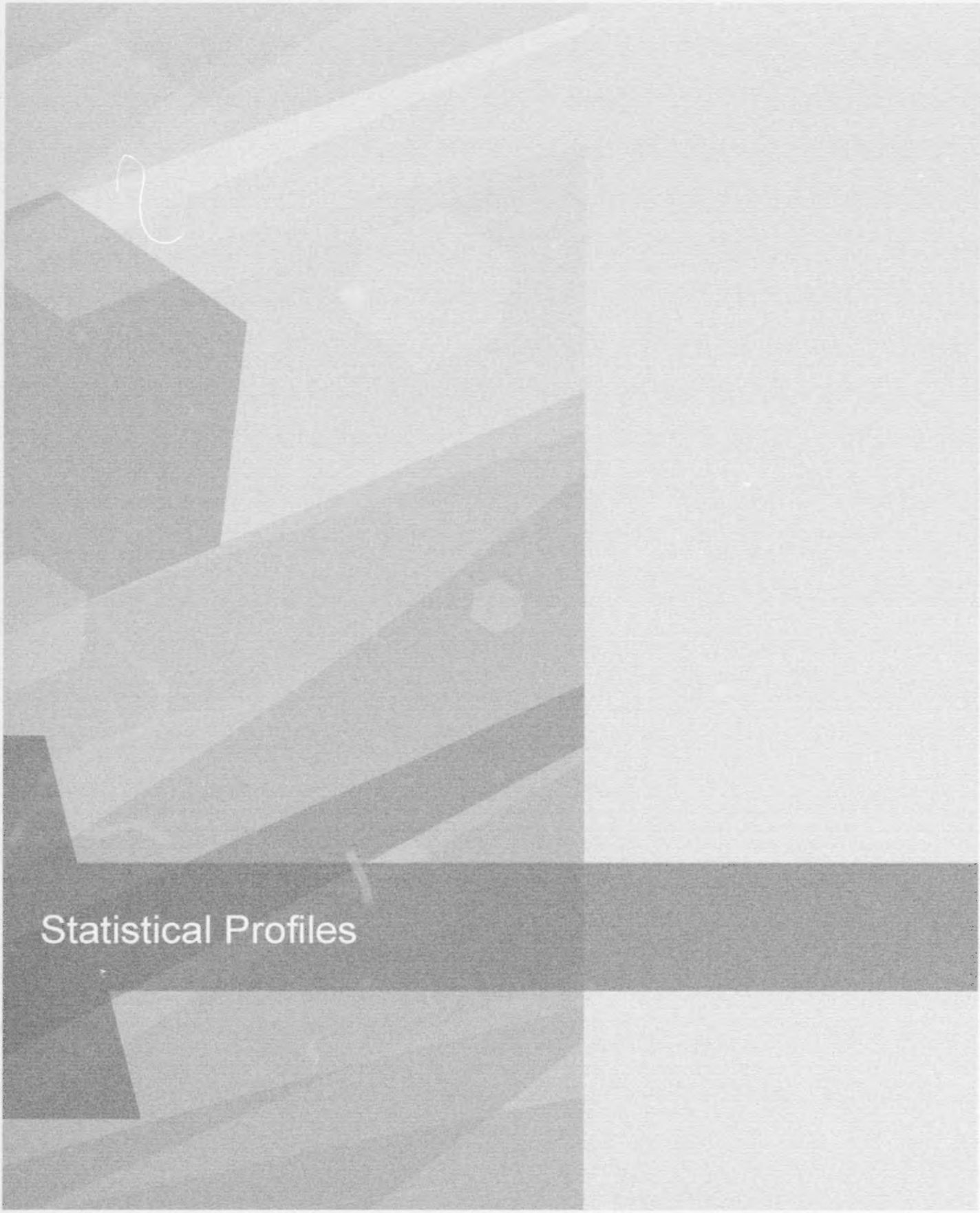
Alberta Apprenticeship and Industry Training Board

Statistical Profiles 2013

Alberta Government

Apprenticeship and Industry Training



Statistical Profiles

Apprenticeship at a Glance

- There were more than 65,000 registered apprentices in Alberta as of December 31, 2013.
- In 2013, more than 22,000 new apprentices registered – an increase of almost 50% since 2010.
- As of December 31, 2013, approximately 3,200 Aboriginal people were registered in Alberta as apprentices.
- As of December 31, 2013, more than 5,800 women were registered in Alberta as apprentices.
- More than 1,500 high school students were registered in the Registered Apprenticeship Program (RAP) in 2013, and were employed at over 1,000 employer sites.
- More than 2,700 apprentices who started RAP in high school are currently continuing in a regular apprenticeship program.
- More than 3,700 individuals who began their apprenticeship through RAP have gone on to complete their program and become certified journeypersons. (See Table 11 and Chart 5.)
- In 2013, apprentices were being trained at more than 14,000 employer sites around Alberta.
- In 2013, more than 8,500 individuals were certified in Alberta's designated trades and occupations. (This includes completed apprentices and individuals issued occupation and qualification certificates).
- The majority of graduates who participated in the 2011/2012 apprenticeship graduate survey expressed satisfaction with:
  - the overall quality of on-the-job training (95%);
  - the overall quality of their technical training (96%); and
  - their experience with the apprenticeship program – 96% would still have chosen to become an apprentice.
- According to a 2012 survey of employers, overall satisfaction with Alberta's apprenticeship and trade certification system remains high with 92 per cent of respondents expressing satisfaction with the system.
- The majority of employers who participated in the 2012 employer survey expressed satisfaction with:
  - the skills of certified journeypersons (95%);
  - apprenticeship technical training (86%); and
  - the effectiveness of on-the-job training (96%).
- Innovation and Advanced Education staff completed more than 10,400 shop registrations through site visits in 2013. These site visits provide an opportunity to promote apprenticeship and industry training programs, and work with employers and apprentices to ensure the successful completion of apprenticeship training.

Apprenticeship Statistics at a Glance - 2013

- Alberta has more than 50 designated trades and occupations.
- Apprenticeship programs in most of the designated trades are three to four years in length.
- Approximately 80 per cent of an apprentice's time is spent on the job under the guidance of a certified journeyperson or qualified tradesperson. The other 20 per cent involves formal instruction provided at, or through, a public post-secondary institution.
- Apprenticeship begins with finding an employer. Employers hire apprentices, pay their wages and provide on-the-job training supervised by a certified or qualified tradesperson.
- Most apprentices are eligible for employment insurance while attending formal instruction. Apprentices who demonstrate financial need may qualify for a grant while attending formal instruction.
- The most common age for Alberta apprentices to register in their first trade is 20.
- While in high school, students can become apprentices through the Registered Apprenticeship Program (RAP). In RAP, they obtain on-the-job training and work experience as credit toward both an apprenticeship program and a high school diploma while earning an income.
- As of March 31, 2013, approximately $5.9 million has been awarded to Alberta apprentices through the Alberta Apprenticeship and Industry Training Board Family of Scholarships.
- Alberta's apprenticeship and industry training system relies on a network of approximately 170 committees made up of more than 800 individual industry representatives. Trade and occupational committees are composed of equal numbers of employers and employees.
- Formal instruction is most often delivered through what is called 'block release', where the apprentice spends a block of time, generally eight weeks per year in classroom instruction. Formal instruction may also be offered in other formats in some trades such as competency-based apprenticeship training (CBAT), distance delivery, weekly apprenticeship training system (WATS), mobile delivery, and blended learning.
- Although Alberta has only 12 per cent of Canada's labour force, it trains approximately 20 per cent of the country's apprentices.
- Alberta recognizes apprentices from other jurisdictions in Canada at the same level as their home jurisdiction, and facilitates that transition to ensure that the best interests of those apprentices are met.
- Alberta welcomes tradespeople from other jurisdictions and recognizes all Canadian trade certificates. Alberta also promotes the acquisition of the Interprovincial Standards Red Seal.
- Alberta has produced more tradespeople with an Interprovincial Standards Red Seal than any other jurisdiction in Canada.

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Table 1

Alberta Apprenticeship and Provincial Labour Force Statistics, 2008 - 2013

	2008	2009	2010	2011	2012	2013
Total Apprentices Registered (all trades)	70,415	69,904	63,029	57,004	61,326	65,880
New Apprentices Registered (all trades)	22,668	16,594	15,199	17,371	21,906	22,129
Labour Force (thousands)	2,130.7	2,167.3	2,157.3	2,215.2	2,253.5	2,318.2
Employed (thousands)	2,053.7	2,025.2	2,016.6	2,094.1	2,149.6	2,211.0
Unemployed (thousands)	77.0	142.1	140.7	121.0	103.9	107.2
Unemployment Rate (%)	3.6%	6.6%	6.5%	5.5%	4.6%	4.6%

Source: *Alberta Innovation and Advanced Education and Alberta Jobs, Skills, Training and Labour*

Total Apprentices Registered: Total number registered as of December 31, 2013. Apprentices may be registered in more than one trade or branch of a trade within the same year but are counted here only once.

New Apprentices Registered: All apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship after completing one or more apprenticeships in previous years, or continuing an apprenticeship in another trade for which they registered in a previous year. Apprentices who registered in more than one trade or branch of a trade within a specific year, or who changed from one branch of a trade to another branch within the same trade on the same day, are counted only once. The number does not include reinstated apprentices (unless reinstated in the same year).

Table 2

Total Number of Apprentices Registered (Totals and Average) by Trade, 2008 - 2013*

TRADE	2008	2009	2010	2011	2012	2013	2008-13 Average
Agricultural Equipment Technician ▫	179	189	182	176	186	203	186
Appliance Service Technician • ▫*	108	115	109	89	80	76	96
Auto Body Technician • ▫*	797	893	844	724	681	664	767
Automotive Service Technician • ▫	3,781	3,867	3,727	2,984	2,840	2,952	3,359
Baker ▫	265	237	201	175	170	180	205
Boilermaker • ▫	300	387	470	440	431	436	411
Bricklayer ▫	301	294	277	217	203	176	245
Cabinetmaker ▫	505	480	408	351	311	277	389
Carpenter ▫	5,246	5,452	4,885	3,923	3,651	3,448	4,434
Communication Technician	468	479	396	305	217	153	336
Concrete Finisher ▫	98	111	93	62	58	67	82
Cook ▫	1,180	1,146	1,093	985	937	900	1,040
Crane and Hoisting Equipment Operator • ▫*	2,594	2,373	2,229	2,398	2,831	3,263	2,615
Electric Motor Systems Technician ▫	88	94	83	69	65	65	77
Electrician • ▫	10,735	10,930	10,485	9,823	10,343	11,387	10,617
Elevator Constructor •	225	282	278	216	179	186	228
Floorcovering Installer ▫	85	91	53	63	48	57	66
Gasfitter • ▫	394	405	392	384	410	381	394
Glazier ▫*	321	354	387	351	305	280	333
Hairstylist • ▫	2,350	2,645	2,494	2,365	2,288	2,359	2,417
Heavy Equipment Technician • ▫*	5,447	5,151	4,707	4,712	5,492	5,954	5,244
Instrument Technician ▫	1,923	1,918	1,875	1,698	1,764	1,943	1,854
Insulator ▫	824	723	873	838	698	726	780
Ironworker • ▫	1,279	1,358	1,278	866	1,326	1,478	1,264
Ironworker - Metal Building Systems Erector	74	89	90	61	90	111	86
Landscape Gardener ▫	188	214	204	181	162	160	185
Lather-Interior Systems Mechanic ▫	133	128	114	89	62	86	102
Locksmith	68	78	77	76	83	91	79
Machinist ▫	1,132	1,010	804	640	779	852	870
Millwright ▫	2,164	2,107	1,855	1,672	1,909	2,107	1,969
Motorcycle Mechanic • ▫	324	310	266	197	198	216	252
Natural Gas Compression Technician *(Note 1)*	N/A	N/A	N/A	2	15	25	N/A
Outdoor Power Equipment Technician	91	108	105	98	88	75	94
Painter and Decorator ▫	124	148	119	113	108	101	119
Parts Technician ▫*	1,050	992	856	846	1,007	1,127	980
Plumber • ▫	4,576	4,505	4,317	3,502	3,286	3,397	3,931
Powerline Technician ▫	596	654	659	618	658	733	653
Power System Electrician	209	291	372	329	369	444	336
Recreation Vehicle Service Technician • ▫	223	206	168	116	102	111	154
Refrigeration and Air Conditioning Mechanic • ▫	765	808	809	731	753	760	771
Rig Technician *(Note 2)* • ▫	3,823	3,793	2,263	2,719	2,832	2,345	2,963
Roofer ▫	188	229	230	191	212	198	208
Sawfiler *(Note 3)*	11	11	8	5	4	0	N/A
Sheet Metal Worker • ▫	1,543	1,686	1,620	1,323	1,155	1,179	1,418
Sprinkler Systems Installer ▫	445	493	431	301	263	273	368
Steamfitter-Pipefitter • ▫	4,607	4,434	3,675	3,150	4,160	5,250	4,213
Structural Steel and Plate Fitter ▫	159	130	113	139	175	157	146
Tilesetter ▫	41	39	39	30	34	22	34
Tool and Die Maker *(Note 4)* ▫	6	3	1	0	N/A	N/A	N/A
Transport Refrigeration Technician	61	46	41	27	28	36	40
Water Well Driller	44	58	49	40	45	48	47
Welder • ▫	8,277	7,362	5,925	5,594	7,235	8,365	7,126
TOTAL	70,415	69,904	63,029	57,004	61,326	65,880 *(Note 5)*	64,593

Source: *Alberta Innovation and Advanced Education*

* Total number of apprentices registered as of December 31 each year. Apprentices may be registered in more than one trade or branch of a trade within the same year but are counted here only once.

N/A = Not Applicable. Data does not exist in one or more of the specified years.

Note 1: Natural gas compression technician became a designated trade on September 1, 2011.
Note 2: Approximately 750 of the rig technician apprentices are from Canadian jurisdictions other than Alberta.
Note 3: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 4: Effective April 1, 2011, the designation of the trade of tool and die maker was rescinded.
Note 5: The total number of registered apprentices includes 604 apprentices taking training in Alberta who are from other Canadian provinces and territories where the trade is designated but the jurisdictions are unable to provide technical training due to small apprentice registration numbers. Alberta does not issue these individuals a certificate. They are not counted in Table 5 under Completed Apprentices.

• = Compulsory certification trade
▫ = Red Seal trade
▫* = Red Seal trade in which not all branches of the trade are Red Seal

Table 3

New Apprentices Registered (Totals and Average) by Trade, 2008 - 2013*

TRADE	2008	2009	2010	2011	2012	2013	2008-13 Average
Agricultural Equipment Technician	61	59	46	54	63	59	57
Appliance Service Technician	39	34	26	27	26	19	29
Auto Body Technician	268	255	184	213	206	196	220
Automotive Service Technician	1,015	886	739	779	804	886	852
Baker	115	69	56	64	74	64	74
Boilermaker	110	169	149	144	132	154	143
Bricklayer	85	64	58	48	39	45	57
Cabinetmaker	159	98	92	85	91	73	100
Carpenter	1,655	1,234	1,043	931	1,046	1,026	1,156
Communication Technician	211	111	38	44	63	30	83
Concrete Finisher	26	42	26	28	25	39	31
Cook	447	379	382	362	346	317	372
Crane and Hoisting Equipment Operator	1,121	747	908	1,007	1,284	1,330	1,066
Electric Motor Systems Technician	24	21	14	22	18	23	20
Electrician	2,988	2,210	2,280	2,398	2,921	3,338	2,689
Elevator Constructor	63	80	50	26	15	59	49
Floorcovering Installer	28	26	35	31	13	30	27
Gasfitter	170	151	146	164	177	151	160
Glazier	124	100	115	96	68	72	96
Hairstylist	962	992	930	912	866	809	912
Heavy Equipment Technician	1,688	1,214	1,022	1,630	2,064	1,835	1,576
Instrument Technician	551	433	461	506	621	684	543
Insulator	358	139	348	220	217	266	258
Ironworker	669	371	313	312	757	705	521
Ironworker - Metal Building Systems Erector	36	37	25	27	53	74	42
Landscape Gardener	55	67	53	55	43	50	54
Lather-Interior Systems Mechanic	45	39	27	26	26	47	35
Locksmith	23	24	20	33	24	31	26
Machinist	261	179	98	210	305	262	219
Millwright	585	443	348	521	668	670	539
Motorcycle Mechanic	96	89	55	59	77	80	76
Natural Gas Compression Technician *(Note 1)*	N/A	N/A	N/A	2	16	15	N/A
Outdoor Power Equipment Technician	36	39	30	53	35	25	36
Painter and Decorator	36	42	35	44	39	35	39
Parts Technician	341	279	261	334	464	428	351
Plumber	1,246	862	843	700	822	985	910
Powerline Technician	193	198	187	184	235	278	213
Power System Electrician	82	120	155	107	150	216	138
Recreation Vehicle Service Technician	67	38	43	29	38	41	43
Refrigeration and Air Conditioning Mechanic	254	186	185	176	217	214	205
Rig Technician *(Note 2)*	1,690	758	550	1,062	944	589	932
Roofer	69	78	64	68	85	57	70
Sawfiler *(Note 3)*	0	2	1	1	3	0	N/A
Sheet Metal Worker	487	407	321	272	246	312	341
Sprinkler Systems Installer	161	98	72	54	67	104	93
Steamfitter-Pipefitter	1,656	1,033	1,028	1,098	1,965	2,253	1,506
Structural Steel and Plate Fitter	55	24	40	76	92	50	56
Tilesetter	20	4	18	9	13	4	11
Tool and Die Maker *(Note 4)*	2	0	N/A	N/A	N/A	N/A	N/A
Transport Refrigeration Technician	16	11	7	6	15	14	12
Water Well Driller	15	23	14	17	17	14	17
Welder	2,204	1,630	1,258	2,045	3,311	3,071	2,253
TOTAL	22,668	16,594	15,199	17,371	21,906	22,129	19,311

Source: *Alberta Innovation and Advanced Education*

* New apprentices include all apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship after completing one or more apprenticeship programs in previous years, or continuing an apprenticeship in another trade for which they registered in a previous year. Apprentices who registered in more than one trade or branch of a trade within 2013, are counted here only once. The number does not include reinstated apprentices (unless reinstated in the same year).

N/A = Not Applicable. Data does not exist in one or more of the specified years.

Note 1: Natural gas compression technician became a designated trade on September 1, 2011.
Note 2: Approximately 185 of the newly registered rig technician apprentices are from Canadian jurisdictions other than Alberta.
Note 3: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 4: Effective April 1, 2011, the designation of the trade of tool and die maker was rescinded. As of May 1, 2009, contracts of apprenticeship were no longer accepted for registration.

Table 4

Total and New Apprentices Registered by Branch, 2013

	Total Registered Apprentices	New Apprentices Registered
Appliance Service Technician		
Appliance Service Technician	64	16
Commercial Appliance Service Technician	12	3
Total	76	19
Crane and Hoisting Equipment Operator		
Boom Truck		
Boom Truck	1,029	419
Wellhead Boom Truck	1,169	450
Mobile Crane	1,005	431
Tower Crane	60	30
Total	3,263	1,330
Gasfitter		
Gasfitter A	326	128
Gasfitter B	55	23
Total	381	151
Ironworker		
Ironworker	368	178
Metal Building Systems Erector	111	74
Reinforcing	268	149
Structural/Ornamental	842	378
Total	1,589	779
Parts Technician *(Note 2)*		
Parts Technician *(old program)*	5	N/A
Parts Technician *(new program)*	995	369
Materials Technician	127	59
Total	1,127	428
Auto Body Technician *(Note 1)*		
Prepper	13	10
Refinisher	66	19
Repairer	66	10
Technician	519	157
Total	664	196
Heavy Equipment Technician		
Heavy Equipment Technician	4,982	1,485
Heavy Duty Equipment Mechanic (Off Road)	335	116
Transport Trailer Mechanic	105	46
Truck and Transport Mechanic	532	188
Total	5,954	1,835
Glazier		
Glazier	276	68
Auto Glass Technician	4	4
Total	280	72
Outdoor Power Equipment Technician		
Power	37	13
Recreational	38	12
Total	75	25
Welder		
Welder	8,317	3,040
Wire Process Operator	48	31
Total	8,365	3,071

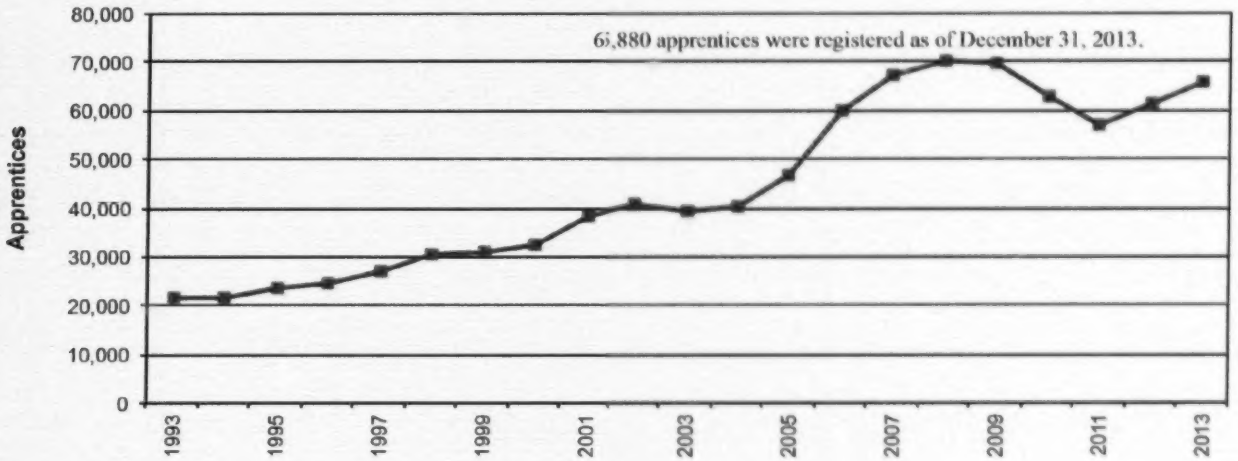
Source: *Alberta Innovation and Advanced Education*

Note 1: Apprentices registered in a single branch of the auto body technician trade are counted under the branch in which they are registered. Apprentices registered in two or three branches of the trade are counted under the 'Technician' heading.

Note 2: The parts technician trade merged with the warehousing occupation on May 1, 2008. The parts technician trade now has two branches - parts technician and materials technician. Apprentices who completed or were granted credit for first period technical training by June 30, 2008 could continue in the old parts technician program.

Chart 1

Total Number of Apprentices Registered by Year, 1993 - 2013

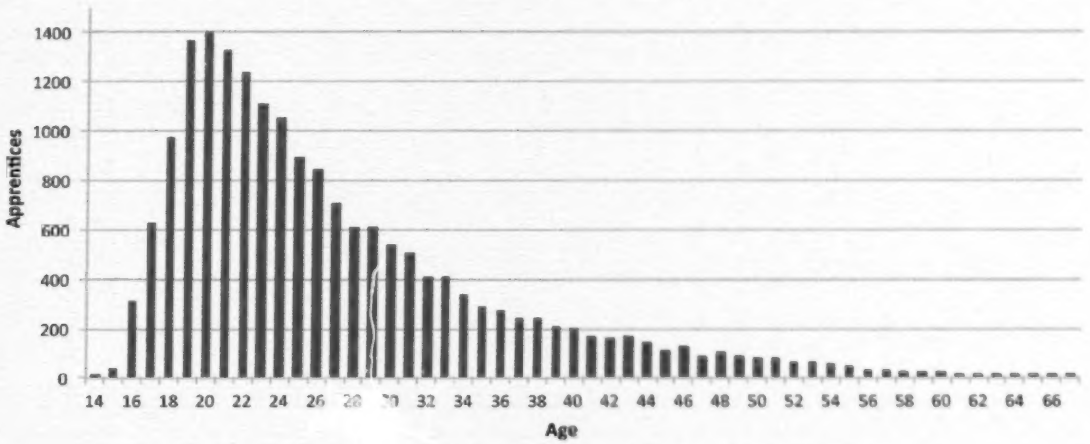


Source: *Alberta Innovation and Advanced Education*

* This graph represents statistics covering a series of calendar years (January to December).

Chart 2

Age of Alberta Apprentices on Date of Registration in First Trade, 2013*



Total number of Alberta apprentices registering in their first trade in 2013 = 18,285**

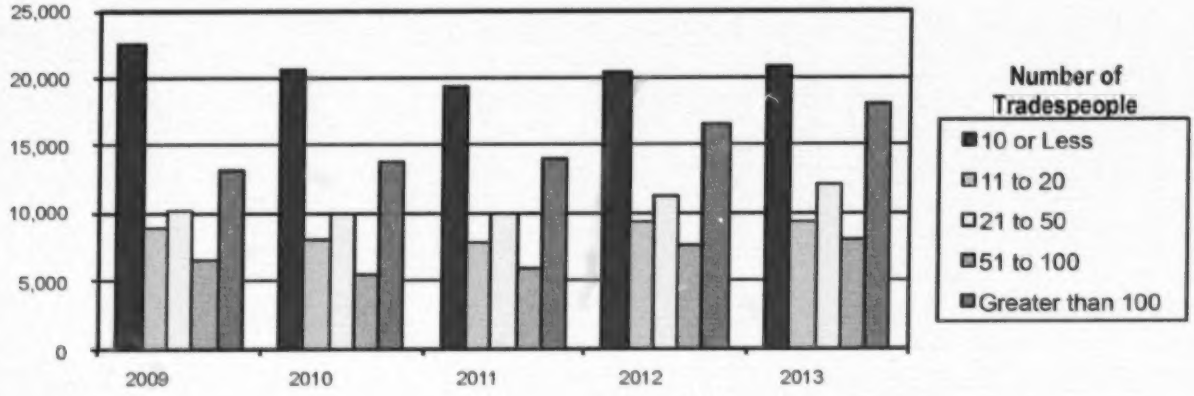
Source: *Alberta Innovation and Advanced Education*

* Age at date of registration.

** The 18,285 total in the chart above includes only individuals registering in their first trade in Alberta in 2013. This number differs from the total number of new apprentices registered (22,129) as presented in Table 3. In Table 3, the number of new apprentices registered includes those who are returning to do an additional apprenticeship after completing one or more apprenticeship programs in previous years.

Chart 3

Total Apprentices Being Trained by Employer Site Size, 2009 - 2013*



Source: *Alberta Innovation and Advanced Education*

*The size of a employer site is determined by the number of tradespeople.

Table 5

Total Number of Individuals Certified, 2013*

Trade/Occupation	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees *(Note 1)*	Qualification Certificates *(Note 2)*	Equivalency Documents *(Note 3)*	Other Red Seals Issued *(Note 4)*
Agricultural Equipment Technician	25	17	1	0	1
Appliance Service Technician**	7	5	1	0	0
Auto Body Technician**	62	45	15	0	9
Automotive Service Technician	382	365	46	34	43
Baker	26	23	4	0	3
Boilermaker	67	61	1	0	1
Bricklayer	32	23	3	0	2
Cabinetmaker	34	28	0	0	0
Carpenter	492	396	20	4	19
Communication Technician	57	N/A	0	0	N/A
Concrete Finisher	13	11	5	0	5
Cook	137	126	50	1	42
Crane and Hoisting Equipment Operator**	446	94	20	6	3
Electric Motor Systems Technician	5	4	0	0	0
Electrician	1,302	943	61	3	48
Elevator Constructor	41	N/A	2	0	N/A
Floorcovering Installer	6	6	0	0	0
Gasfitter	85	0	6	7	0
Glazier**	35	31	1	0	1
Hairstylist	358	254	42	0	34
Heavy Equipment Technician**	684	537	128	42	121
Instrument Technician	193	141	5	0	2
Insulator	91	49	0	0	0
Ironworker**	96	70	50	8	36
Ironworker - Metal Building Systems Erector	8	N/A	4	0	N/A
Landscape Gardener	18	15	2	0	2
Lather-Interior Systems Mechanic	9	9	0	0	0
Locksmith	7	N/A	0	0	N/A
Machinist	75	63	6	0	6
Millwright	234	195	10	1	9
Motorcycle Mechanic	24	22	2	0	2
Natural Gas Compression Technician	0	N/A	2	0	N/A
Outdoor Power Equipment Technician	6	N/A	3	0	N/A
Painter and Decorator	10	8	3	0	3
Parts Technician**	121	99	21	4	9
Plumber	455	367	9	6	6
Powerline Technician	108	105	17	0	17
Power System Electrician	69	N/A	1	0	N/A
Recreation Vehicle Service Technician	14	8	0	0	0
Refrigeration and Air Conditioning Mechanic	101	93	3	1	3
Rig Technician	123	103	81	0	68
Roofer	21	19	1	0	1
Sawfiler *(Note 5)*	1	N/A	0	0	N/A
Sheet Metal Worker	112	105	0	0	0
Sprinkler Systems Installer	52	49	0	0	0
Steamfitter-Pipefitter	387	262	122	33	92
Structural Steel and Plate Fitter	14	15	3	0	3
Tilesetter	5	1	3	0	3
Transport Refrigeration Technician	5	N/A	0	0	N/A
Water Well Driller	5	N/A	0	0	N/A
Welder**	694	564	289	9	247
Total - Trades	7,354	5,331	1,043	159	841

(continued)

Table 5 (continued)

Total Number of Individuals Certified, 2013*

Trade/Occupation	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees *(Note 1)*	Qualification Certificates *(Note 2)*	Equivalency Documents *(Note 3)*	Other Red Seals Issued *(Note 4)*
Cathodic Protection Technician *(Note 6)*	3	N/A	N/A	0	N/A
Construction Craft Labourer	3	2	N/A	0	0
Field Heat Treatment Technician	16	N/A	N/A	0	N/A
Gas Utility Operator	13	N/A	N/A	0	N/A
Industrial Construction Crew Supervisor	123	N/A	N/A	0	N/A
Oil and Gas Transportation Services	0	N/A	N/A	0	N/A
Residential Construction Site Manager	0	N/A	N/A	0	N/A
Slickline Services *(Note 7)*	0	N/A	N/A	1	N/A
Snubbing Services	5	N/A	N/A	0	N/A
Steel Detailer	0	N/A	N/A	0	N/A
Well Testing Services Supervisor	2	N/A	N/A	0	N/A
Total - Occupations	165	2	N/A	1	0
TOTAL	7,519	5,333	1,043	160	841

Source: *Alberta Innovation and Advanced Education*

* Individuals issued more than one certificate in 2013 are counted here only once.
** Indicates that some, not all, branches of this trade have a red seal designation.

N/A = Not Applicable.

Note 1: This number includes the number of 'Interprovincial Red Seals Issued to Completed Apprentices and Trainees' in 2013 regardless of the year the apprentices or trainees completed their training.

Note 2: A Qualification Certificate is a certificate issued to individuals who, through an assessment of their prior work experience, knowledge and skills in a designated trade, demonstrate they meet the standards set for certification in Alberta.

Note 3: Equivalency documents were issued to individuals who hold a valid trade or occupational certificate to indicate that the person holds a specific certificate and is permitted to work in a particular trade, or branch of a trade, or that the person holds a specific certificate that is recognized as equivalent to an occupational certificate in a named occupation. Equivalency documents are not issued to individuals who hold a certificate that bears an Interprovincial Standards Red Seal. Twenty-nine of the 34 individuals who received Equivalency documents for the automotive service technician trade also received Equivalency documents for the heavy equipment technician trade. Seventeen of the 42 individuals who received Equivalency documents for the heavy equipment technician trade also received Equivalency documents for the automotive service technician trade.

Note 4: 'Other Red Seals Issued' includes red seals issued to individuals other than those who have completed an Alberta apprenticeship or occupational training program. The number includes red seals issued to individuals who were certified through Alberta's Qualification Certificate Program or occupation training and certification program (without completing a trainee program) and to individuals who successfully completed the interprovincial examination in Alberta rather than in the jurisdiction in which they were originally certified.

Note 5: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.

Note 6: Cathodic protection technician became a designated occupation on February 4, 2013.

Note 7: Slickline services became a designated occupation on September 30, 2013.

Table 6

Total Number of Completed Apprentices and Individuals Issued Occupation and Qualification Certificates (Totals and Average) by Trade, 2008 - 2013*

TRADE/OCCUPATION	2008	2009	2010	2011	2012	2013	2008-13 Average
Agricultural Equipment Technician	23	25	27	22	34	26	26
Appliance Service Technician	25	10	21	18	21	8	17
Auto Body Technician	118	110	134	133	99	77	112
Automotive Service Technician	400	402	444	446	472	428	432
Baker	29	42	36	39	37	30	36
Boilermaker	25	29	62	56	66	68	51
Bricklayer	45	43	34	36	39	35	39
Cabinetmaker	34	38	32	50	63	34	42
Carpenter	314	384	474	621	575	512	480
Communication Technician	104	35	37	38	73	57	57
Concrete Finisher	7	16	13	15	20	18	15
Cook	166	150	207	222	206	187	190
Crane and Hoisting Equipment Operator	401	369	414	455	443	466	425
Electric Motor Systems Technician	3	7	3	8	13	5	7
Electrician	1,275	1,184	1,515	1,554	1,485	1,363	1,396
Elevator Constructor	16	14	29	60	44	43	34
Floorcovering Installer	13	7	26	10	5	6	11
Gasfitter	79	80	101	90	86	91	88
Glazier	13	25	32	43	55	36	34
Hairstylist	591	478	681	655	597	400	567
Heavy Equipment Technician	689	776	920	905	820	812	820
Instrument Technician	238	229	294	281	243	198	247
Insulator	52	68	64	56	86	91	70
Ironworker	114	129	133	129	123	146	129
Ironworker - Metal Building Systems Erector	27	9	5	8	8	12	12
Landscape Gardener	20	16	30	19	22	20	21
Lather-Interior Systems Mechanic	9	18	15	9	22	9	14
Locksmith	4	3	4	9	5	7	5
Machinist	139	142	174	164	97	81	133
Millwright	229	277	397	387	274	244	301
Motorcycle Mechanic	30	38	43	43	44	26	37
Natural Gas Compression Technician *(Note 1)*	N/A	N/A	N/A	0	3	2	N/A
Outdoor Power Equipment Technician	7	6	5	15	8	9	8
Painter and Decorator	13	13	19	14	15	13	15
Parts Technician	147	156	180	159	149	142	156
Plumber	424	408	560	600	594	464	508
Power Lineman	112	144	137	137	167	125	137
Power System Electrician	32	35	41	51	51	70	47
Recreation Vehicle Service Technician	31	30	40	39	18	14	29
Refrigeration and Air Conditioning Mechanic	84	75	99	124	86	104	95
Rig Technician	807	151	189	159	189	204	283
Roofer	24	12	37	22	25	22	24
Sawfiler *(Note 2)*	1	2	1	4	2	1	2
Sheet Metal Worker	88	98	144	128	171	112	124
Sprinkler Systems Installer	32	28	50	69	46	52	46
Steamfitter-Pipefitter	507	789	691	517	533	509	591
Structural Steel and Plate Fitter	26	30	25	13	18	17	22
Tilesetter	2	2	8	7	5	8	5
Tool and Die Maker *(Note 3)*	0	0	0	1	N/A	0	N/A
Transport Refrigeration Technician	4	9	6	8	9	5	7
Water Well Driller	8	6	6	12	10	5	8
Welder	1,356	1,552	1,613	1,098	945	983	1,258
Total - Trades	8,937	8,699	10,252	9,758	9,221	8,397	9,211

(continued)

Table 6 (continued)

Total Number of Completed Apprentices and Individuals Issued Occupation and Qualification Certificates (Totals and Average) by Trade, 2007 - 2012*

TRADE/OCCUPATION	2008	2009	2010	2011	2012	2013	2008-13 Average
Cathodic Protection Technician *(Note 4)*	N/A	N/A	N/A	N/A	N/A	3	N/A
Construction Craft Labourer	26	41	57	25	25	3	30
Field Heat Treatment Technician	1	23	12	23	11	16	14
Gas Utility Operator	8	9	14	5	8	13	10
Industrial Construction Crew Supervisor	2	47	48	55	110	123	64
Oil and Gas Transportation Services	16	5	0	0	0	0	4
Residential Construction Site Manager *(Note 5)*	N/A	N/A	N/A	0	0	0	N/A
Slickline Services *(Note 6)*	N/A	N/A	N/A	N/A	N/A	0	N/A
Snubbing Services	11	14	4	10	5	5	8
Steel Detailer	2	9	3	13	0	0	5
Warehousing *(Note 7)*	13	11	13	N/A	N/A	N/A	N/A
Well Testing Services Supervisor	35	18	2	15	1	2	12
Total - Occupations	114	177	153	146	160	165	153
TOTAL	9,051	8,876	10,405	9,904	9,381	8,562	9,363

Source: *Alberta Innovation and Advanced Education*

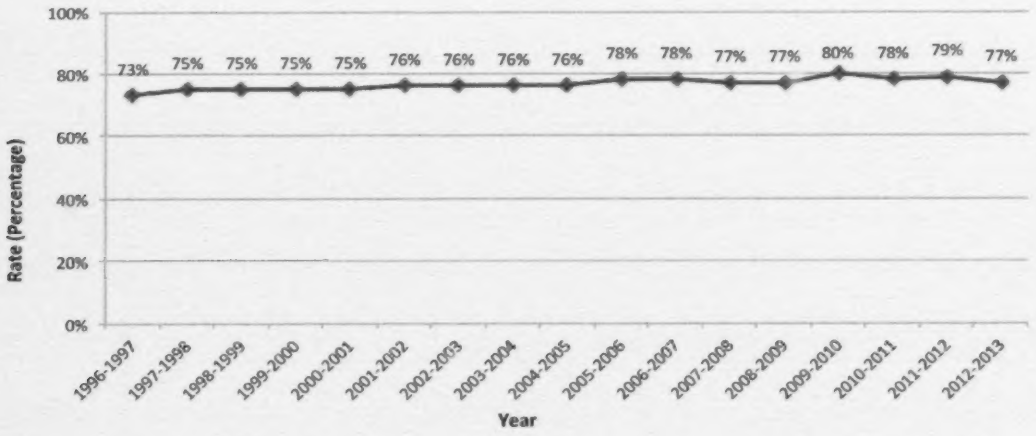
* Individuals issued more than one certificate in each year are counted here only once.

N/A = Not Applicable. Data does not exist in one or more of the specified years .

Note 1: Natural gas compression technician became a designated trade on September 1, 2011.
Note 2: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 3: Effective April 1, 2011, the designation of the trade of tool and die maker was rescinded.
Note 4: Cathodic protection technician became a designated occupation on February 4, 2013.
Note 5: Residential construction site manager became a designated occupation on September 30, 2011.
Note 6: Slickline services became a designated occupation on September 30, 2013.
Note 7: The warehousing occupation merged with the parts technician trade on May 1, 2008. Individuals registered in the warehousing occupation on that date had the option to complete their existing warehousing training and become certified prior to May 1, 2010.

Chart 4

Apprentice Completion Rate, 1996/97 to 2012/13



Source: *Alberta Innovation and Advanced Education*

Notes:
Year = July 1 to June 31

The cohort of apprentices that is followed are those who have completed all the requirements for their first period of apprenticeship training (including technical training, on-the-job training and period exams) and went on to complete their program within two years past the normally expected completion date.

The completion rate is based on trade programs that are 2, 3 and 4 years in length combined. One year trades are excluded.

Table 7

Technical Training Attendance by Institution and School Year, 2008/09 to 2013/14*

INSTITUTION	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14*	2008/09 - 2013/14 Average
Delmar College of Hair Design *(Note 1)*	128	124	113	127	90	57	107
Eveline Charles Academy *(Notes 1 & 2)*	N/A	113	117	57	N/A	N/A	N/A
Grande Prairie Regional College *(Note 3)*	1,407	1,201	1,088	1,013	1,164	1,359	1,205
Keyano College	881	867	807	781	751	837	821
Lakeland College	1,166	1,002	919	952	1,133	1,290	1,077
Lethbridge College	1,123	917	811	777	858	972	910
Marvel College *(Notes 1 & 2)*	109	6	N/A	N/A	52	45	53
Medicine Hat College	606	576	561	566	633	699	607
Northern Alberta Institute of Technology *(Note 3)*	14,073	13,508	12,483	11,491	11,907	12,762	12,704
Northern Lakes College	140	148	186	166	211	227	180
Olds College	362	336	311	300	358	395	344
Portage College	143	130	102	134	138	159	134
Red Deer College	3,343	2,914	2,457	2,284	2,484	2,863	2,724
Southern Alberta Institute of Technology	10,334	8,835	7,667	7,037	7,427	7,667	8,161
Other Training Providers *(Note 4)*	216	283	420	446	417	163	324
TOTAL	34,031	30,960	28,042	26,131	27,623	29,495	29,380

Source: *Alberta Innovation and Advanced Education*

* These statistics cover the school year from August 1 to July 31 for each year represented, with the exception of the 2013/14 school year. The data for this year is the attendance as of the date of printing (February 11, 2014).

Note 1: Delmar College, Eveline Charles Academy and Marvel College provide technical training for hairstylists. The hairstylist trade has a two-year apprenticeship program.

Note 2: Prior to August 1, 2009, Marvel College provided hairstylist training in the northern part of the province. Between August 1, 2009 and July 31, 2012, Eveline Charles Academy provided that training. As of August 1, 2012, Marvel College is again providing the hairstylist training for northern Alberta

Note 3: Effective August 1, 2009, Grande Prairie Regional College assumed responsibility from NAIT for NAIT's Fairview campus and Grande Prairie campus.

Note 4: 'Other' training providers may not provide apprenticeship technical training every year. Other training providers for 2013/14 include:
ATCO Electric - is accredited to provide technical training for its powerline technician apprentices.
Enform - (previously Petroleum Industry Training Service) trains only crane and hoisting equipment operator - wellhead boom truck, which is a one-year apprenticeship program.
FortisAlberta Inc. - (previously Aquila Networks Canada, Utilicorp Networks Canada and Trans Alta Utilities) is accredited to provide technical training for its powerline technician apprentices.

Table 8

Total Number of Apprentices by Trade and Period (or Year) of Technical Training, 2013*

TRADE	1st Period	2nd Period	3rd Period	4th Period	No TT Required (Note 1)	Total Apprentices
Agricultural Equipment Technician	91	29	45	23	15	203
Applicance Service Technician	23	34	16	N/A	3	76
Auto Body Technician	214	268	111	41	30	664
Automotive Service Technician	1,157	602	513	521	159	2,952
Baker	64	31	17	N/A	68	180
Boilermaker	127	197	101	N/A	11	436
Bricklayer	65	29	68	N/A	14	176
Cabinetmaker	96	66	56	54	5	277
Carpenter	1,379	741	581	620	127	3,448
Communication Technician	53	17	23	21	39	153
Concrete Finisher	51	1	0	N/A	15	67
Cook	321	176	180	N/A	223	900
Crane and Hoisting Equipment Operator	2,419	0	444	N/A	400	3,263
Electric Motor Systems Technician	23	16	14	6	6	65
Electrician	3,947	2,808	2,024	2,235	373	11,387
Elevator Constructor	0	0	0	115	71	186
Floorcovering Installer	39	16	N/A	N/A	2	57
Gasfitter	109	110	119	N/A	43	381
Glazier	81	56	52	79	12	280
Hairstylist	676	378	N/A	N/A	1,305	2,359
Heavy Equipment Technician	2,512	1,247	1,274	600	321	5,954
Instrument Technician	771	359	315	238	260	1,943
Insulator	390	90	177	N/A	69	726
Ironworker	1,062	206	123	38	49	1,478
Ironworker - Metal Building Systems Erector	85	23	N/A	N/A	3	111
Landscape Gardener	70	23	26	24	17	160
Lather-Interior Systems Mechanic	50	30	5	N/A	1	86
Locksmith	48	25	7	6	5	91
Machinist	316	225	168	123	20	852
Millwright	831	529	366	303	78	2,107
Motorcycle Mechanic	88	45	50	29	4	216
Natural Gas Compression Technician	22	3	0	0	0	25
Outdoor Power Equipment Technician	45	9	19	N/A	2	75
Painter and Decorator	49	22	18	N/A	12	101
Parts Technician	490	400	175	N/A	62	1,127
Plumber	1,155	721	742	596	183	3,397
Powerline Technician	278	198	139	0	118	733
Power System Electrician	57	20	213	102	52	444
Recreation Vehicle Service Technician	66	23	16	N/A	6	111
Refrigeration and Air Conditioning Mechanic	198	208	184	145	25	760
Rig Technician	1,049	649	564	N/A	83	2,345
Roofer	80	61	40	0	17	198
Sawfiler	0	0	0	0	0	0
Sheet Metal Worker	408	243	241	251	36	1,179
Sprinkler Systems Installer	126	58	72	0	17	273
Steamfitter-Pipefitter	3,084	1,218	791	N/A	157	5,250
Structural Steel and Plate Fitter	73	39	40	N/A	5	157
Tilesetter	7	2	0	N/A	13	22
Transport Refrigeration Technician	13	11	4	N/A	8	36
Water Well Driller	25	13	N/A	N/A	10	48
Welder	4,284	2,028	1,802	N/A	251	8,365
TOTAL	28,667	14,303	11,935	6,170	4,805	65,880

Source: *Alberta Innovation and Advanced Education*

* These statistics are as of December 31, 2013.

N/A = Not all trades have four periods. The N/As indicate where there is no period in that trade.

Note 1: 'No TT Required' refers to those apprentices who have completed, or who have been granted credit for, all technical training (TT) requirements in their apprenticeship program. Industry examination and/or work experience/on-the-job training requirements for the trade have yet to be successfully completed.

Table 9

Number of Apprentices Registered, Certified and Attending Technical Training by Apprenticeship and Industry Training Office Locations, 2013*

	Total Apprentices Registered	New Apprentices Registered	Apprentices Certified	Technical Training Attendance**
Calgary	14,564	4,911	1,844	6,796
Lethbridge	2,242	675	299	1,139
Medicine Hat	1,788	566	226	785
Red Deer	5,698	2,054	652	2,562
Total - South Region	24,292	8,206	3,021	11,282
Bonnyville	1,771	743	152	727
Edmonton	27,279	8,693	2,976	11,596
Fort McMurray	3,501	1,332	396	1,403
Grande Prairie	3,377	1,208	332	1,314
Hinton	1,456	494	151	673
Peace River	887	296	56	361
Slave Lake	951	352	112	454
Vermilion	1,731	581	156	881
Total - North Region	40,953	13,699	4,331	17,409
Total - Regions	65,245	21,905	7,352	28,691
Interprovincial - Training Only *(Note 1)*	604	217	N/A	377
Interprovincial/International - Training and Certification *(Note 2)*	31	7	2	18
Total - Other	635	224	2	395
TOTAL	65,880	22,129	7,354	29,086

(Note 3)

Source: *Alberta Innovation and Advanced Education*

* This table represents statistics covering the January to December 2013 calendar year. Technical training in Table 7 is reported as school year. For this table only, the technical training statistics cover the calendar year for comparability within this table.

** Attendance reflects the number of technical training seats occupied.

Note 1: Alberta provides training for apprentices from other Canadian provinces and territories where the trade is designated but the jurisdictions are unable to provide technical training due to small apprentice registration numbers. Alberta does not issue these individuals a certificate. They are not counted in Table 5 under Completed Apprentices.

Note 2: Alberta registers apprentices and provides technical training to people from jurisdictions where no apprenticeship program exists. Alberta issues a certificate on completion of the program.

Note 3: Not all apprentices attend technical training in any given year. The reasons for not attending may include:

- Apprentices do not normally attend technical training until they have had at least eight to 10 months of on-the-job training with their employer.
- Some apprentices are graduates of accredited post-secondary technical programs or have completed an apprenticeship program in another trade and have received credit for their technical training.
- Some have successfully completed all of the technical training and have only the required on-the-job training to complete before being eligible to be certified.
- Some prefer to obtain the study material (ILMs – individual learning modules) and learn at their own pace, and then challenge the industry exam.
- Some are in the Registered Apprenticeship Program (RAP) and attending high school and are not able to attend technical training.

Table 10

Meetings of the Trade, Occupational and Provisional Committees, 2013*

Trade/Occupation	Provincial Apprenticeship Committees, Occupational Committees, Provisional Committees			Local Apprenticeship Committees	All Committees
	Full Committee Meetings	Sub-Committee Meetings	Sub-Total	Full Committee Meetings	TOTAL
Agricultural Equipment Technician	1	4	5	N/A	5
Appliance Service Technician	0	2	2	0	2
Auto Body Technician	1	2	3	2	5
Automotive Service Technician	0	0	0	4	4
Baker	1	1	2	2	4
Boilermaker	0	0	0	N/A	0
Bricklayer	1	1	2	2	4
Cabinetmaker	1	0	1	0	1
Carpenter	1	7	8	4	12
Communication Technician	1	3	4	1	5
Concrete Finisher	0	1	1	N/A	1
Cook	3	6	9	2	11
Crane and Hoisting Equipment Operator	0	2	2	3	5
Electric Motor Systems Technician	1	2	3	0	3
Electrician	1	4	5	5	10
Elevator Constructor	1	1	2	N/A	2
Floorcovering Installer	1	0	1	N/A	1
Gasfitter	2	1	3	0	3
Glazier	1	8	9	3	12
Hairstylist	1	1	2	2	4
Heavy Equipment Technician	0	6	6	4	10
Instrument Technician	1	2	3	0	3
Insulator	0	3	3	N/A	3
Ironworker	1	4	5	N/A	5
Landscape Gardener	0	2	2	0	2
Lather-Interior Systems Mechanic	0	1	1	N/A	1
Locksmith	0	1	1	0	1
Machinist	1	0	1	3	4
Millwright	1	5	6	1	7
Motorcycle Mechanic	0	4	4	1	5
Natural Gas Compression Technician	0	0	0	N/A	0
Outdoor Power Equipment Technician	1	0	1	0	1
Painter and Decorator	0	1	1	3	4
Parts Technician	0	6	6	1	7
Plumber	2	0	2	1	3
Powerline Technician	0	6	6	1	7
Power System Electrician	1	6	7	N/A	7
Recreation Vehicle Service Technician	0	3	3	2	5
Refrigeration and Air Conditioning Mechanic	1	5	6	2	8
Rig Technician	0	2	2	N/A	2
Roofer	1	1	2	N/A	2
Sawfiler *(Note 1)*	0	0	0	N/A	0
Sheet Metal Worker	0	3	3	3	6
Sprinkler Systems Installer	1	2	3	1	4
Steamfitter- Pipefitter	1	4	5	1	6
Structural Steel and Plate Fitter	0	8	8	N/A	8
Tilesetter	1	5	6	0	6
Transport Refrigeration Technician	1	3	4	N/A	4
Water Well Driller	1	4	5	N/A	5
Welder	1	5	6	3	9
Total - All Trade Committees	34	135	169	57	226

(continued)

Table 10 (continued)

Meetings of the Trade, Occupational and Provisional Committees, 2013*

Trade/Occupation	Provincial Apprenticeship Committees, Occupational Committees, Provisional Committees			Local Apprenticeship Committees	All Committees
	Full Committee Meetings	Sub-Committee Meetings	Sub-Total	Sub-Total	TOTAL
Cathodic Protection Technician *(Note 2)*	0	1	1	N/A	1
Construction Craft Labourer	0	0	0	N/A	0
Field Heat Treatment Technician	1	1	2	N/A	2
Gas Utility Operator	1	0	1	N/A	1
Industrial Construction Crew Supervisor	1	1	2	N/A	2
Oil and Gas Transportation Services *(Note 3)*	0	0	0	N/A	0
Residential Construction Site Manager	0	1	1	N/A	1
Slickline Services *(Note 3 & 4)*	0	0	0	N/A	0
Snubbing Services *(Note 3)*	0	0	0	N/A	0
Steel Detailer	0	1	1	N/A	1
Well Testing Services Supervisor *(Note 3)*	0	0	0	N/A	0
Total - All Occupation Committees	**3**	**4**	**7**	**N/A**	**7**
Fireproofer	0	0	0	N/A	0
Industrial Scaffold Technician	0	1	1	N/A	1
Overhead Door Technician	1	1	2	N/A	2
Railway Car Technician	0	0	0	N/A	0
Slickline Services *(Note 4)*	1	0	1	N/A	1
Total - All Provisional Committees	**8**	**11**	**19**	**N/A**	**19**
Total - All Trade, Occupation and Provisional Committees	45	150 *(Note 5)*	195 *(Note 5)*	57	252

Source: *Alberta Innovation and Advanced Education*

* The meetings counted in this table are in-person meetings only. Many committees also conduct meetings on a single item or through ballots, faxes or phone converations. These are not included in this table.

N/A: Not applicable refers to trades where local apprenticeship committees do not exist. Designated occupations do not have local committees.

Note 1: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 2: Cathodic protection technician technician became a designated occupation on February 4, 2013.
Note 3: The Petroleum Competency Program Steering Committee serves as the industry committee for the oil and gas transportation services, slickline services, snubbing services and well testing services supervisor designated occupations.
Note 4: Slickline services became a designated occupation on September 30, 2013.
Note 5: A number of subcommittee meetings of the provincial apprenticeship committees (PACs) were held jointly with other PACs. These joint meetings are counted in the meetings for each provincial apprenticeship committee but are only counted once in the totals. The joint meetings were held in the following trades: appliance service technician with refrigeration and air conditioning mechanic (1); heavy equipment technician with transport refrigeration technician (1); refrigeration and air conditioning mechanic with transport refrigeration technician (1).

Table 11

Number of Participants in the Registered Apprenticeship Program (RAP) by Trade as of December 31, 2013

Trade	High School	Full Time	Certified *(Note 1)*
Agricultural Equipment Technician	26	40	42
Appliance Service Technician	1	2	4
Auto Body Technician	37	73	84
Automotive Service Technician	167	275	383
Baker	10	10	11
Boilermaker	0	3	0
Bricklayer	5	7	13
Cabinetmaker	20	31	42
Carpenter	134	206	247
Communication Technician	5	1	1
Concrete Finisher	3	4	4
Cook	61	52	69
Crane and Hoisting Equipment Operator	10	7	20
Electric Motor Systems Technician	1	0	1
Electrician	152	380	454
Elevator Constructor	1	0	0
Floorcovering Installer	7	3	3
Gasfitter	2	6	4
Glazier	6	6	6
Hairstylist	57	173	477
Heavy Equipment Technician	307	511	448
Instrument Technician	38	81	89
Insulator	2	1	2
Ironworker	3	3	1
Ironworker - Metal Building Systems Erector	0	0	1
Landscape Gardener	7	6	6
Lather-Interior Systems Mechanic	18	5	1
Locksmith	1	0	4
Machinist	26	30	55
Millwright	38	102	103
Motorcycle Mechanic	12	15	28
Natural Gas Compression Technician	0	1	0
Outdoor Power Equipment Technician	13	9	4
Painter and Decorator	2	2	6
Parts Technician	23	34	67
Plumber	57	110	132
Power Lineman	5	12	17
Power System Electrician	0	0	0
Recreational Vehicle Service Technician	4	6	4
Refrigeration and Air Conditioning Mechanic	11	9	21
Rig Technician	0	0	0
Roofer	0	0	4
Sawfiler	0	0	0
Sheet Metal Worker	11	35	22
Sprinkler Systems Installer	3	3	9
Steamfitter-Pipefitter	30	40	59
Structural Steel and Plate Fitter	2	2	8
Tilesetter	0	0	3
Transport Refrigeration Mechanic	2	0	3
Water Well Driller	3	2	2
Welder	244	442	791
TOTAL	1,567	2,740	3,755

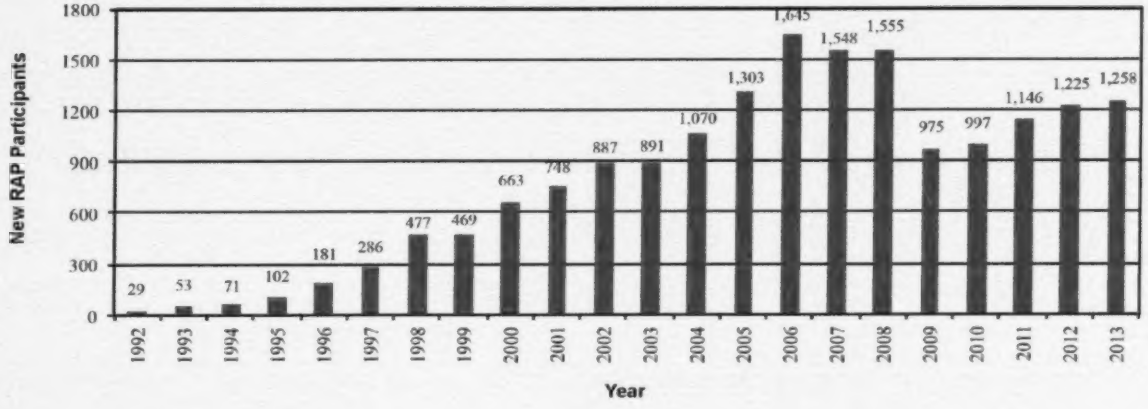
Source: *Alberta Innovation and Advanced Education*

High School = RAP participants currently in high school.
Full Time = RAP participants who have completed high school and are now full time apprentices.
Certified = RAP participants who have completed their apprenticeship program and are now certified tradespeople.

Note 1: Total number of RAP participants certified since inception of program.

Chart 5

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year, 1992 - 2013

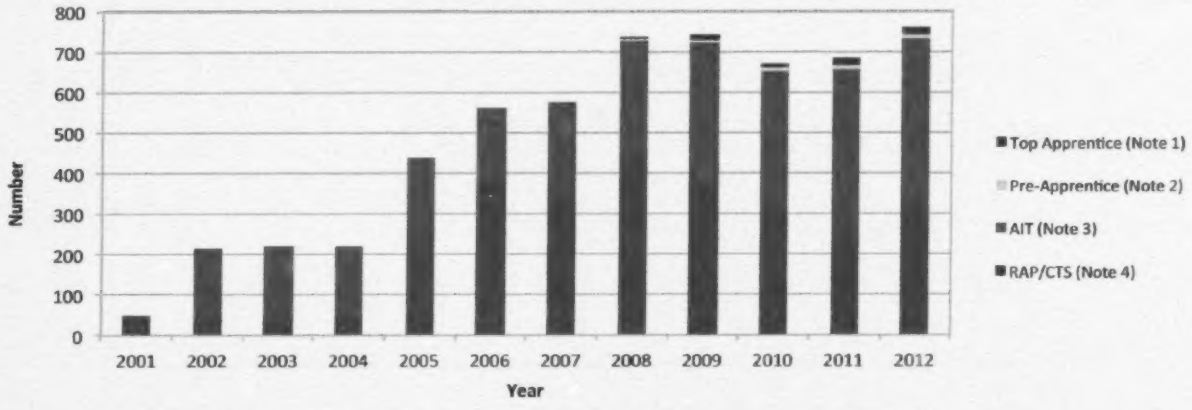


Source: *Alberta Innovation and Advanced Education*

* This graph represents statistics covering a series of calendar years (January to December).

Chart 6

Total Number of Scholarships Awarded by Year, 2001 - 2012



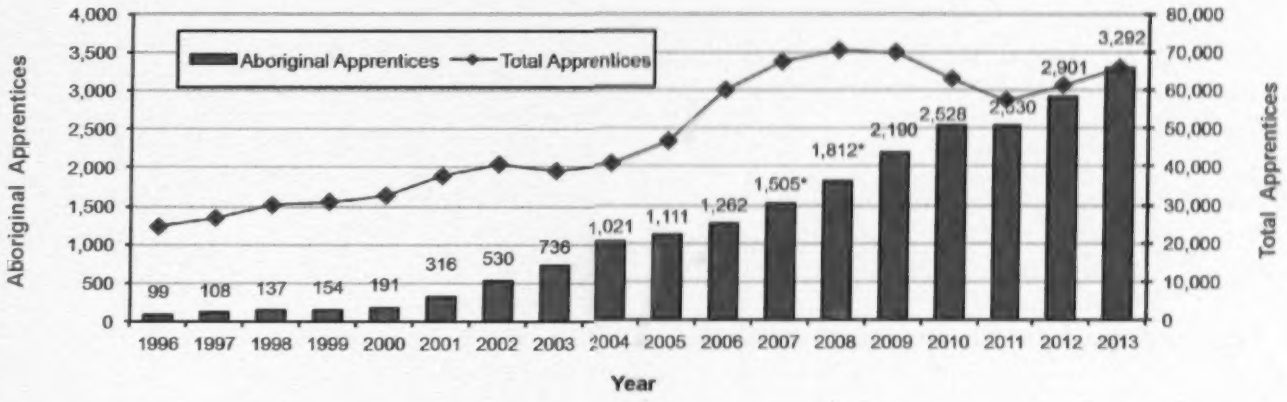
$5.9 million dollars have been awarded to apprentices since the scholarship program began in 2001.

Source: *Alberta Innovation and Advanced Education*

Note 1: There are 21 Top Apprentice Scholarships of $1,500 available each year. The first year the scholarships were awarded was 2008.
Note 2: There are 11 Pre-Apprentice Scholarships of $1,000 available each year. The first year the scholarships were awarded was 2008.
Note 3: There are a minimum of 357 Apprenticeship and Industry Training (AIT) Scholarships of $1,000 available each year. The number varies each year based on the value of the endowment fund. The first year the scholarships were awarded was 2002.
Note 4: The Registered Apprentice Program/Career and Technology Studies Apprenticeship Pathways (RAP/CTS) Scholarships are $1,000. For the years 2001 to 2004, there were 50 RAP/CTS scholarships available. Since 2005, 500 RAP/CTS Scholarships are available each year.

Chart 7

Total and Aboriginal Apprentices Registered, 1996 - 2013

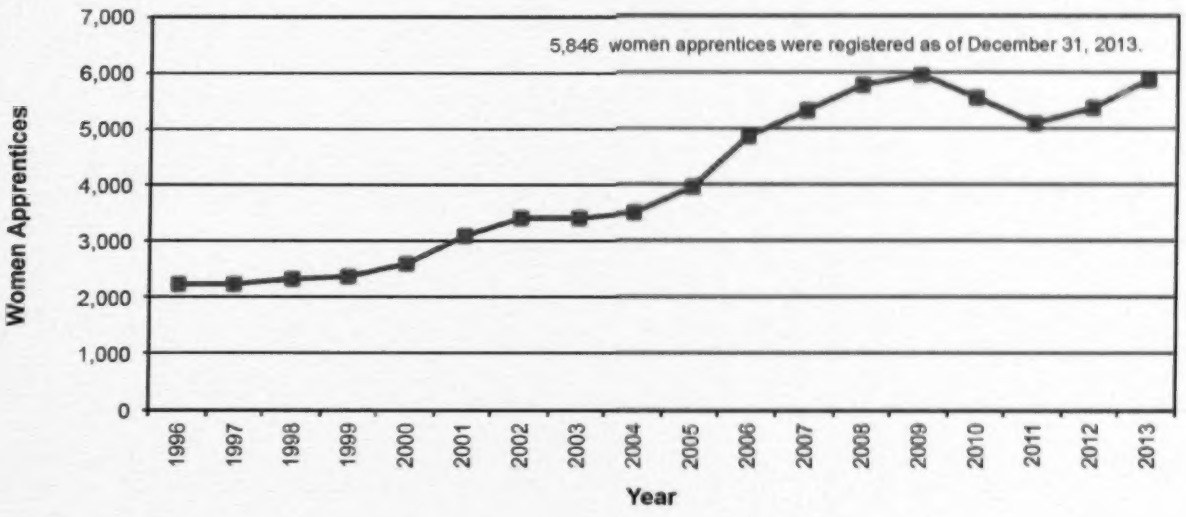


Source: *Alberta Innovation and Advanced Education*

* In 2007 and 2008, the statistical methodology changed, therefore, the numbers in those two years cannot be compared to those of previous years.

Chart 8

Total Number of Women Apprentices Registered, 1996 - 2013 - All Trades*



Source: *Alberta Innovation and Advanced Education*

* This graph represent statistics covering a series of calendar years (January to December).

Table 12

Number of Apprentices Registered - Total, Aboriginal and Women, 2013*

Trade	Total Apprentices Registered	Aboriginal Apprentices Registered	Women Apprentices Registered
Agricultural Equipment Technician	203	4	3
Appliance Service Technician	76	1	0
Auto Body Technician	664	20	41
Automotive Service Technician	2,952	121	117
Baker	180	6	133
Boilermaker	436	33	13
Bricklayer	176	6	5
Cabinetmaker	277	6	45
Carpenter	3,448	229	209
Communication Technician	153	5	5
Concrete Finisher	67	7	0
Cook	900	43	287
Crane and Hoisting Equipment Operator	3,263	138	53
Electric Motor Systems Technician	65	2	2
Electrician	11,387	436	607
Elevator Constructor	186	2	4
Floorcovering Installer	57	1	5
Gasfitter	381	12	12
Glazier	260	5	9
Hairstylist	2,359	109	2,134
Heavy Equipment Technician	5,954	308	120
Instrument Technician	1,943	79	104
Insulator	726	54	115
Ironworker	1,478	182	66
Ironworker - Metal Building Systems Erector	111	6	1
Landscape Gardener	160	3	63
Lather-Interior Systems Mechanic	86	3	3
Locksmith	91	1	11
Machinist	852	20	33
Millwright	2,107	108	60
Motorcycle Mechanic	216	14	12
Natural Gas Compression Technician	25	2	0
Outdoor Power Equipment Technician	75	3	4
Painter and Decorator	101	10	20
Parts Technician	1,127	58	399
Plumber	3,397	185	115
Powerline Technician	733	43	13
Power System Electrician	444	14	13
Recreation Vehicle Service Technician	111	7	5
Refrigeration and Air Conditioning Mechanic	760	18	14
Rig Technician *(Note 1)*	2,345	111	6
Roofer	198	13	7
Sawfiler *(Note 2)*	0	0	0
Sheet Metal Worker	1,179	38	53
Sprinkler Systems Installer	273	7	3
Steamfitter-Pipefitter	5,250	333	245
Structural Steel and Plate Fitter	157	6	6
Tilesetter	22	0	5
Transport Refrigeration Technician	36	0	1
Water Well Driller	48	2	3
Welder	8,365	498	662
Total - Trades	65,880	3,292 *(Note 3)*	5,846

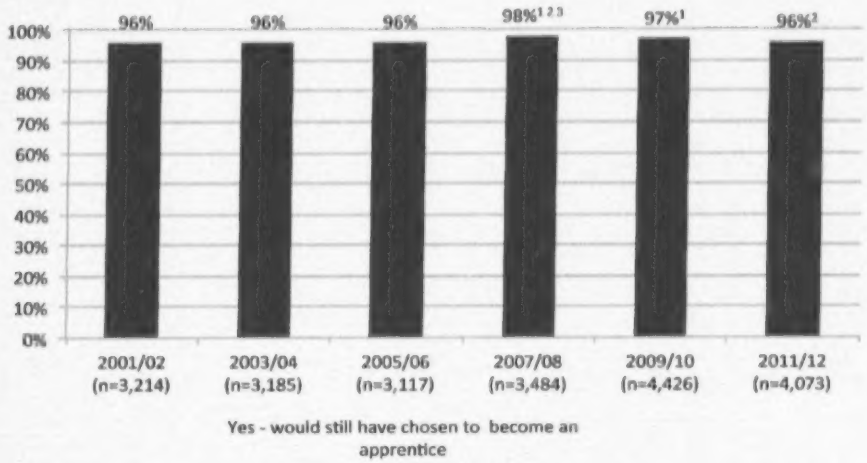
Source: *Alberta Innovation and Advanced Education*

* Total number of apprentices registered as of December 31. Apprentices may be registered in more than one trade or branch of a trade within the same year, but are counted here only once.

Note 1: Approximately 750 of the rig technician apprentices are from Canadian jurisdictions other than Alberta.
Note 2: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 3: Apprentices choose whether or not to disclose their Aboriginal heritage when registering. The total number of Aboriginal apprentices reflected here indicates those who disclosed their Aboriginal heritage. There may be additional apprentices with Aboriginal heritage registered who did not disclose that information.

Chart 9

Survey of Graduates of the Apprenticeship and Industry Training System



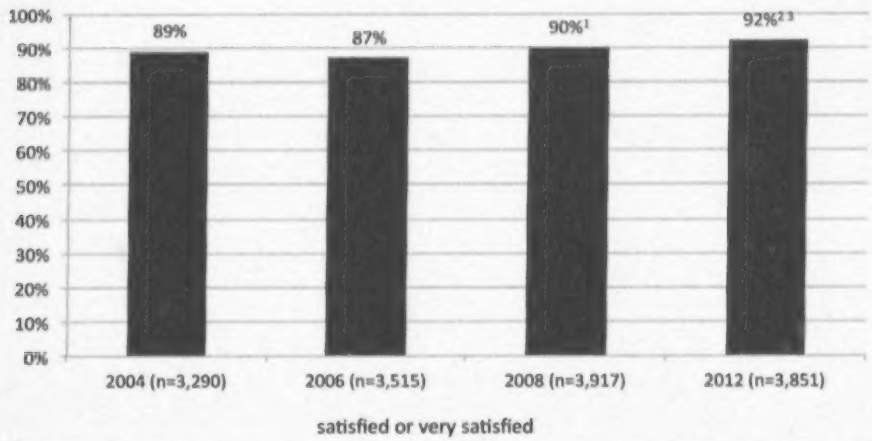
Source: *Alberta Innovation and Advanced Education*

Survey Question #F6: In retrospect, based on your experience with the Alberta apprenticeship program, would you still have chosen to become an apprentice?

1 Indicates a significant change in response at a .05 level of confidence compared to the previous survey year.
2 Indicates a significant change in response at a .05 level of confidence compared to two surveys previous.
3 Indicates a significant change in response at a .05 level of confidence compared to three surveys previous.

Chart 10

Survey of Employer Satisfaction with Apprenticeship Training and Skilled Tradespersons



Source: *Alberta Innovation and Advanced Education*

Survey Question #45: Overall, how satisfied are you with the apprenticeship and trade certification system in Alberta?

1 Indicates a significant change in response at a .05 level of confidence compared to the previous survey year.
2 Indicates a significant change in response at a .05 level of confidence compared to two surveys previous.
3 Indicates a significant change in response at a .05 level of confidence compared to three surveys previous.